Missouri Botanical Garden
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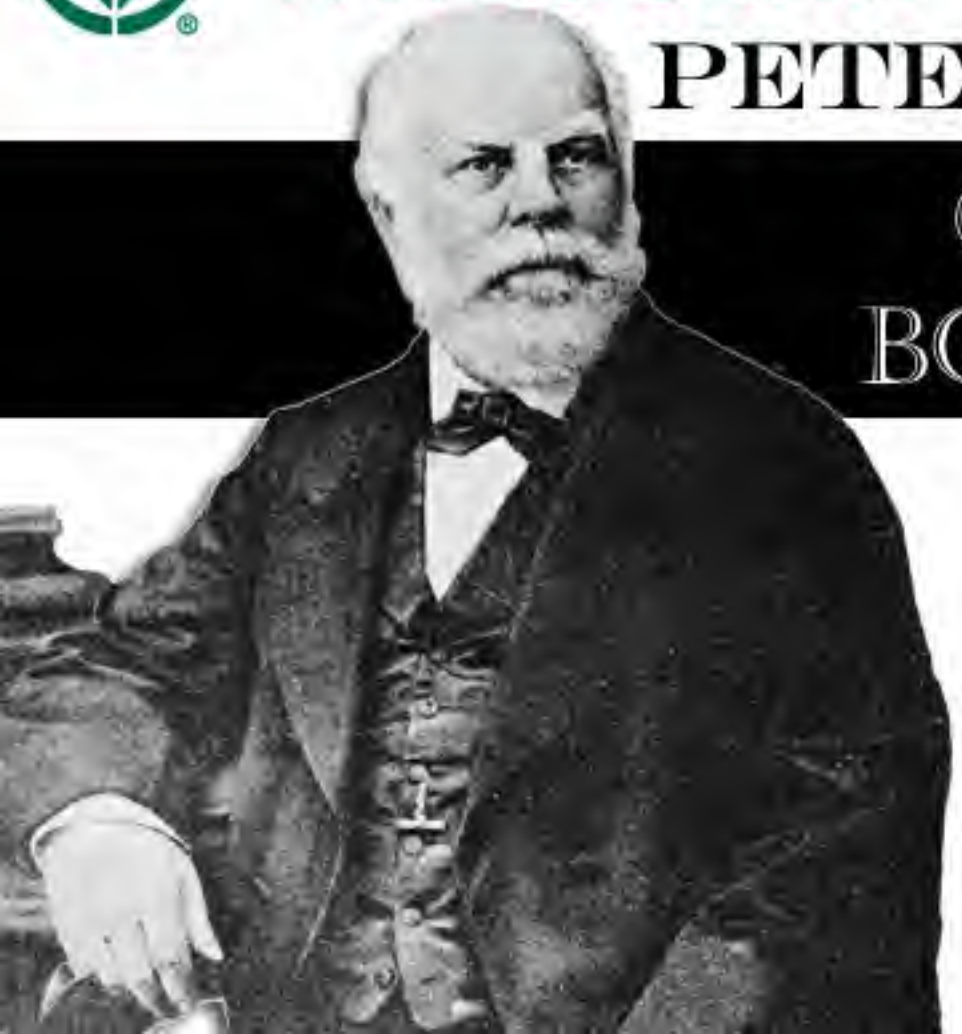
George Engelmann Botanical Notebooks



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S. Illin. Journ Jan. 1844 pag 143

Review of Geol. Report of New York

New York geological formation consists mainly of what was once called transition and primary — all with one unimportant exception. Below the calciferous

Primary = the North east — South east of the State (Hypersthene rock remarkable for its large beds of veins of magnetic Iron ore)

Taconic System on the extreme northeastern Boundary appears to be nothing but the lowest transition strata of limestone and talcose slates, corresp: probably with the lower Cambrian of England but this formation itself is no longer recognized — England as a distinct system. It is the lowest Silurian! and the lowest of all palaeozoic strata, but nearly fossiliferous!

New York system very well developped, not much disturbed! — 7000 — 8000 feet thick

1. Champlain division Potsdam sandstone, calciferous sandrock, Chazy & birdseye limestone, Trenton limestone Utica slate Lorraine shales, grey sandstone conglomerate
2. Ontario division, medina sandstone, green shales with the Iron ore, Niagara limestone, red shale Onondaga salt & Plaster rock &
3. Helderberg division mostly limestone
4. Erie division shales Limestone, grit

Fossils found appear — the middle of the Champlain division. Western equivalents of it seem to be the magnesian limestone & sandstone below the mouth of Wisconsin & the falls of St Anthony and the blue limestone (the Coast) of Ohio & Indiana

English representatives on the Bala Limestone
& the Caradoc Silurian.

Ontario division fossils not so abundant
as below; The lower part of the english
upper Silurian appears to correspond with
this Niagara rocks = black slate & fine sandstone of
Scioto, Indiana, Kentucky & SW Illinois & Georgia of Tennessee
Helderberg division; fossils, trees of fish,
= upper Silurian?

Erie group, principally argillaceous; few
fossils — some vegitable fossils — no coal

Mountain Limestone of Georgia the same
as the Limestone under the coal in Virginia —
& the west States, with Pentremites etc, and
of it is its upper portion oolitic? —
is wanting entirely thro the Erie
— & the C

Catskill group, which is sandstone
with trace of fish, plants, few, shells,
traces of coal, but never beds!

Carboniferous, conglomerate on
the Pennsylvania line. —

no Coal = New York!

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St Louis Ohio

Literary Sources for the Study of Amer. Bot.

Hook. Flor. Bor. Am. ✓
Hook & Arn. Bot Beechy ✓
Hook Botan Miscell. ✓
Botan Register
Bentham N. Hartweg.
Horticult. Transactions ✓
Agardh. Syn. Lupin
Lond Journ Botany ✓
Linnaea Transactions ✓
Linnaea, Cham & Schlecht.
" Schedle
Bentham Bot. Sulph.
Boott. Carex
Prest Relig. Haenk

Torr
Nuttall
Michaux
Elliott — Bot of S States —
Torr & Gr. Flora
Nuttall Sylva
Michaux Sylva ✓
Nutt. gen.
Elliott Sketches
Gray Manual

			52	—	75
			85	—	120
	1699		199	—	21
1693	" —	120 —	327	— De Candolle	30
1966	—	25	399	—	300
2023	—	63	487	—	260
2141	—	50	939	—	65
2183	—	105	969	—	46. 20
		2040	1111	—	50
	399 Cent.	300	1306	—	295
		1740	1309	—	222
		2838	1332	—	90
1098			1468	—	1 —
			1583	—	10
			1616	—	42
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					1677

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Engelmann & Gray
Plantae Lindheimerianae I. (Boston Journ. Nat Hist. V. (1845

N. Lindh. II ibid. VI. (1850) by A Gray

Plantae Fendlerianae by A Gray. Mem. Amer. Acad. 1849

Nicollet Report 1843 Botany by Torrey

Fremonts first Expedition (1842) publ. 1845 Botany by Torrey

Fremonts second Expdtn (1843 & 44.) publ. 1845. Bot. by Torrey & Fremont.

Wislizenus Memoir, Plants by Engelmann 1848

Emory's Report 1848 Botany by Torrey

Stansbury's Utah Report 1852 Botany by Torrey

Sitgreaves' Zuni Expedition 1853 Botany by Torrey

Marcy's Red River Exploration 1854 Botany by Torrey

Plantae Wrightianae by A Gray I. 1852 Smiths. Contrb

— — II 1853 " "

Plantae Fremontianae by Torrey 1853 Smithsonian Contributions

Nuttall, Plantae Arkansanae v Trans. Am. Phil. Soc. V. 1837.

Nees, Pflanzen von dem Missouri v Prinz Max v Neuwied...

Nuttall new Genera & species of Compositae of the far west.
v Trans. Am. Phil. Soc n. ser. VII. p. 283 1841
(has been used in Torr & Gray Flora vol II — therefore here cited)

Plantae Jamesianae, by Nuttall v Journ Acad Phila. n. ser. I. 149 seq.
July 1848

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II. — — part II — — V. 1853

Nuttall in Journ Acad Phila. vol V

Buckley, SB. Preliminary Report on the Texas Geolog. survey Austin 1866
appdx Plantae Greenes

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Pacific Railroad Surveys:

Vol 2. Jamiesons & Beckwith Botany 1855
Vol 2 Pope's Botany 1855
Vol 4 Whipple's Botany 1856
Vol 5 Williamson's Botany 1856 (Blake's & Heerman's
Vol 6 Williamson's & Abbot Botany 1857 Newberry's
Vol 7 Parke's Botany 1857
Vol 12 Stevens' Botany 1860

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(cf. Nuttall, in Trans. Amer. Philos. Soc. n. ser. 8. p. 255 et. Campulaceæ.)

Bentham, Plantæ Hartwegianæ, London 1839 - 1857.
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Durand Plantæ Fendlerianæ in Journ Acad Phil ad. vol. 2. n. ser. 1855. p. 79 seq.

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A Gray N. Parry in Sill Journ 33. p. 237 & 404 (1862) & 34 p. 249 & 330.

A Gray N. & Hall (Hall Harbour & Parry) Proc. Acad Phil 1863

A Gray Botanical Contributions, Proceedings Am Acad. Arts & Sc. vol VI p. 55 et seq. Bost. 1864 1865 p. 182 et p. 519 seq.

A Gray Botanical Contributions. Proc. Am Acad A & Sc. vol. V: Bost 1861

A Gray in this Xantus South Californian plants. p. 153.

A Gray Notes on some Asclepiaceæ etc. Proc Am Acad. A. & Sc. IV. p. 24 on Hedyotideæ.

A Gray Botanical Contributions Proc Am Acad. Sc. V. 314 (1862

Proceedings of Calif. Academy vol 1. 1854 - 1857 incl. published 1858
(p. 7-18 & 23-30 & 69-70 not seen)
& 111 - end
vol 2. 1858-1862 publish. 1863
vol 3.

Botany of Fremont's Expedition to the Colorado of the West, 1861

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Demme Rudolf Schmiedlaubgasse 235. a

Valentin Gast Rabbenthal 155 M

Fischer, Ludw. B/Beam II Lehmanngasse

Schaffgotsch Rob. Lgg. 227

Wyss., Ulrich, Obergärtner Hietzing

Frau Prof Demme Lkg. 166

Wydler H. Prof. Neueng. 90

Lgg. Laengasse

Linkengasse am Donaukanal

Melothria glauca

Petunia

Dresine Herbst

=Achyranthes Verschaffelti

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Cereus

from Guadaloupe. W. I.
sent by Dr R E Kunze, New York
with the following Notes. 1877

3 angular or 3-winged, more robust
than Triangularis; no aerial roots seen
height of plants 2-3 feet, - 7-8 stout
spines, the 2 longest, 1½ inches, deflexed

14431

St. Louis Tax Bureau.

IMPORTANT TO TAX-PAYERS.

To supply a want long felt, the undersigned have established in St. Louis a TAX BUREAU, for the purpose of

CORRECTING ERRONEOUS ASSESSMENTS AND PAYMENT OF TAXES,

For parties in city or at a distance, and attending to, and furnishing information upon, all other business appertaining to the Assessor's Office, and the collection of Revenue in the City of St. Louis.

There are now over 50,000 tax-payers in the City of St. Louis, and, out of that number, at least 10,000 are erroneously assessed, and compelled to pay more than their just share of taxation. This arises often from carelessness, or want of knowledge of the law and details of the Assessor's Office; to obviate this evil, and relieve the tax-payer from this burthen, the ST. LOUIS TAX BUREAU has been established.

The management, and associates, have been connected with the Assessor's Office for the past ten years, both as District Assessors and Clerks, which necessarily gives them an active working acquaintance with all the intricate points and details connected with tax assessments and revenues, and hence all persons having any business with the Assessor, will save both time and money by consulting with this office.

Special attention will be given to the Board of Appeals, which meets in March, 1878, for the purpose of adjusting and equalizing assessments on an equitable basis.

The ST. LOUIS TAX BUREAU respectfully solicits a favorable consideration from the tax-payers of St. Louis, with the assurance that all business entrusted will be promptly and faithfully attended to, and that in every case charges will be moderate.

E. H. MOLLENCOTT,

MANAGER ST. LOUIS TAX BUREAU,

410 Market Street, Room No. 5.

Parties unable to call at office, will be waited on either at residence or place of business.

REFERS, BY PERMISSION, TO

CHARLES GREEN, Ex-President Board of Assessors.
Hon. JOHN G. PRIEST.
Hon. D. H. ARMSTONG.
Hon. JOSEPH O'NEIL, President Citizens' Savings Bank.
LOUIS ESPENSCHIED, Esq.
SAM'L GATY, Esq.

OFFICE HOURS FROM 10 A. M. TO 4 P. M.

Act of State of Missouri, April 28, 1877, Sec. 4, "Empowers Notaries Public to take returns of both Real and Personal Property," so that parties who desire to give a correct account of their taxable values can do so, by applying to the undersigned.

E. H. MOLLENCOTT,

Notary Public.

ST. LOUIS, Oct. 22, 1877.

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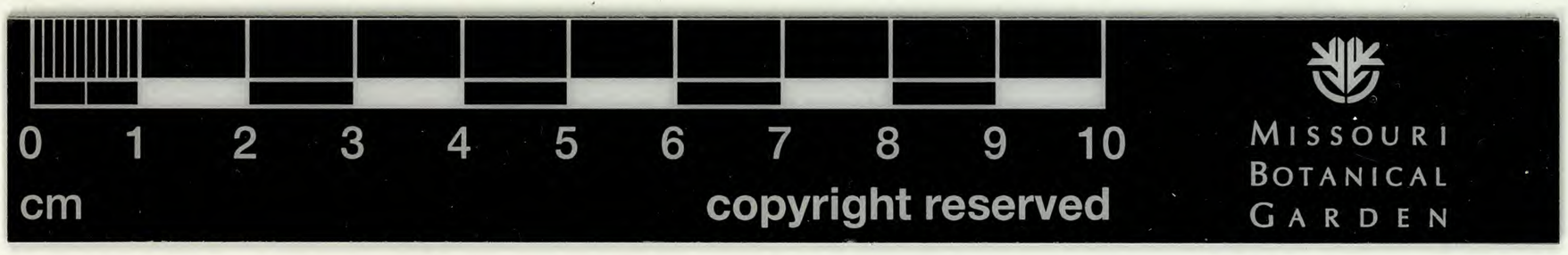
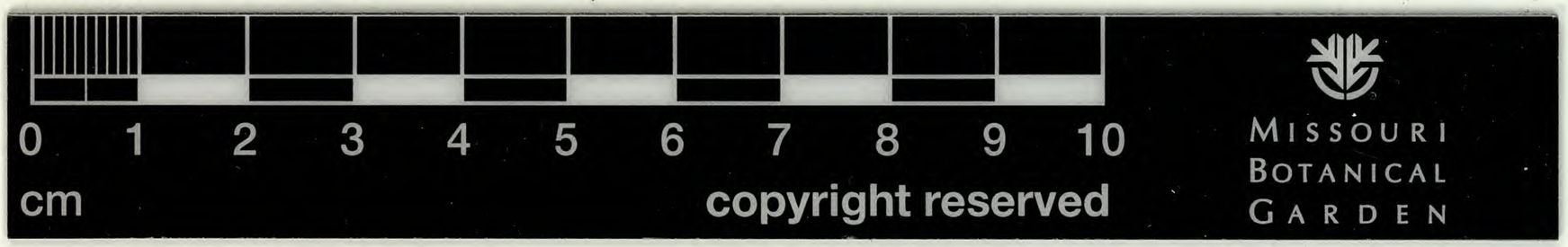


Rothrock's Pinus Lambertiana not uncommon above Deer 1874
from 6–7000 feet alt; does best in best ground

1875 Rothrock – 216 & 257 may be P. Jeffreyi but the so called Bullpine
(No) and yellow pine ( ) though growing together and
looking very much alike, are undoubtedly distinct. The
lumbermen get a much higher price for the yellow Pine than
for the other. The bark of the yellow Pine is exactly
that of ponderosa.

Rothrock: P. Balfouriana was the highest altitude of any
Pines 12100 feet on south side of Mt Whitney.



Simpson's report of Explorations across the Great Basin of Utah.

14432

By command of Brig. Gen. Humphreys:

Very respectfully,

Your obedient servant,

George H. Elliot,

Major of Engineers.

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Memoranda

made march 1st 1869 in the Jardin des Plantes of Montpellier.

oldest bot. Jardin in France, founded under Henry IV. 1598

Few Cactaceae of any importance to me but a 15 feet high Cereus-Opuntia, under the name of O. decipiens.

Many fine large trees in the Garden some of them larger than seen anywhere else.

Maclura aurantiaca ♀ 3 feet in diam.

Tamarix gallica 1¾ – 2 feet diam, but knotty and rather unsightly

T. parviflora over 1¼ foot diam.

Celtis australis 4 – 5 feet diam,

Populus angulata ♂ now in flower, 5 feet diameter, very tall.

Phyllyrea latifolia the largest ever known, several specimens 2 – 3 feet diam. bark & foliage from a distance much like Quercus Ilex.

Acer Monspessulanum 2½ feet diam.

Platanus orientalis is a high tree 2 – 3 feet in diameter, of fine appearance

Brunsia tenax „Carolina" fine tree like a pear tree, 10 inches diam. partly green yet especially on the lower branches.

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1795

Ginko biloba, was planted by Jordan in his garden near the bot Garden in now flourishing, a very fine, well shaped tree, 4 feet diameter 5 feet from the ground, It was the first in Europe.

Chamaerops humilis (bad name — kept Cow by the Jews of the Arabs — does not stunted, it grows high. A specim 5-6 feet high, produced for many years only male flowers; since some years it has begun to bring forth also female flowers and good fruit.

Viorne commun = Viburnum Lantana. Photinia (Crataegus & glabra Thunb = but new, the common shrub seen every where in the south.

Arecaine Coronaria, the blue one, rather rare here, very rarely with fruit.

Lonicera flexuosa Thunb, L. Brachypoda DC is the chinese Honeysuckle

Cactus quinquiflorus from south africa is very poisonous; the large flashy red.

Bassia Rapa = Rave

B. Napus = Navet

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Climate of Montpellier

excessive! and too dry — & windy

Greatest cold this winter — 11° C.

Every winter ch least — 5° usually 8–10°

coldest days known — 16°

Palms that support that cold:

Chamaerops humilis

Ch. excelsa from China

Sabal Adansoni

Corypha australis (pretty well)

Jubaea spectabilis from Chili very elegant — Date like, but prettily curved stands well.

Eucalyptus most Acacias

Oranges do not stand the cold here — at Marseilles only where well protected

Nicea, both sp. of Lagerstroemia and many other Conifers (Abietineae &c) do not stand the heat well and aridity and suffer greatly.

Fer Cantabrica can stand ch

Op. ficus Indica stands frosts ch night — is often hard frozen, recovers in warm daytime but dies if the frost continues through the day; nor

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can it stand such freezing if too often
repeated, say more than 3–5 times.

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Tadeus Haenke, born 1761 in Kreibitz
Bohemia; Pilot. Jr. — left 1789 Cadiz
with a royal Spanish Expedition, — explored
the Coasts of California (Monterey) — up
to Behrings Straights — returned from down
expedition in the Pacific to Peru in 1794
where he made his home and D'd 1817.

Mangies, Archibald, Scotch, accompanied
Vancouver

M. KOVÁCS,

-APOTHECARY-

Franklin Avenue, bet. 18th & 19th Streets,

ST. LOUIS, MO.

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Notes Taken in the Greenhouses
of the Jardin des Plantes
for Mr Shaw.

Paris 24 March 69

Verlot is the chief of the Ecole botanique
Houllet — — of the hot x greenhouse
Carrière — of the Repiniére

—

Gustavia speciosa, large oblanceolate
dentate leaves, 2½ feet long.
Mappa Porteana, tree with peltate
leaves 2½ feet diameter
Cresentia regalis tree with
oblanceolate leaves, 3–4 feet
long
Sabal umbraculifera has the largest
fanshaped leaves of all the
palms cultivated here.

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Menzies, 1787-93, Col. & N.W. coast.

Haenke, in Col. in 1791 - to N.W. coast from Galapagos to Behring
Haenke

Lewis & Clark, 1804-6, Rocky Mts &c. but not in Col.

Shaw, in Col. in 1816, & that coast -

Eschscholtz, was with him - ?

Richardson, 1819-22, probably not within the U.S.

Douglas, - 1825-33-

Lay & Collie, 1827, - on Capt. Beechy's Voyage

Drummond, 1825 - but within the U.S.

Tweedie, 1826. N.W. coast, with Capt. Lucette, was at various ports north, probably not within the U.S.

Coulter, about 1824-25 - Oregon - have but little information about him

Deppe, ? about 1830 - was in Mexico with Schiede, am not sure that he was in Col. but think he was,

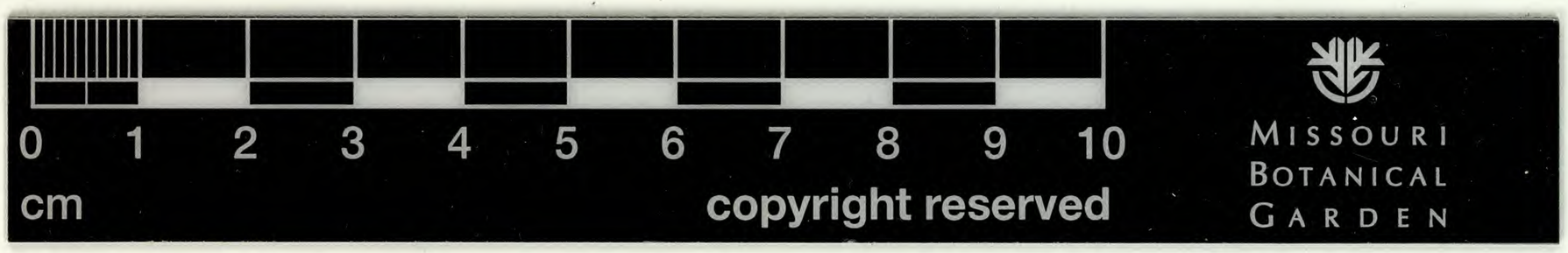
Gairdner, about 1837-39 - Oregon - don't know much about him

Gregg, betw 1831, 38 - in N. Mexico & Mexico, but not in Col. nor far west?

Hinds, 1837, on ship "Sulphur"

Nuttall, 1834-5. James Townsend was with him in Oregon, but not in Col. - Nuttall was in Oregon in 1834 & Sandwich Islands & California in 1845

Douglas, - between 1830-1840, but don't know much about him



2 Tolmié, about the same time, and his sloop-yacht Beaver.

Coulter, 1831-2, came up from Mexico, Lowest & Bourn were about him -

Blackburn, Pickering & Rich, on the U.S. Ex. Expd. visited in 1841

Capt. Wilkes - were on that coast in 1841

Burke, about 1846-48, about knew much of him, was in Oregon - not in Cal. perhaps.

Fremont, 1843 ee

Gambell about 1844, don't know much about him.

Geyer, 1844 - not in Cal. but went to Oregon -

Gordon - was said to be about him - but do I know.

Hartweg - 1845-8

Lowe, 1843-4 - I believe not in Cal. but Jan. to north

Menzies, in Cal in 1840-42

Douglas, 1844-7 - in Oregon & Idaho.

Wosnessensky ? 1840-41. a naturalist, but don't know whether he collected plants -

Wright, was said to be about - was perhaps there about 1820 or 30 -

of the persons whose names are underscored, more information is desirable

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Western Explorations & Smithsonian

Alvord
Beckwith
Boundary Cactaceae
Emory
Fremont
Geyer
Graham
Kendrick
Nicollet
Reynolds
Simpson
Smithsonian (David Henry
Stansbury
Stevens
Warren
Whipple

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The Academy will hold its
Session in the Capitol.
A notice will be found in
the Congressional Library giving
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Boeckeler
Borssier
Bolle
Bongniart
Buchenau Bruch
Buchinger
Carmel
Carruthers
Caspary
Cesati
Corda
Cosson
Desaisne
De Candolle
Delessert
Fenzl
Fournel
Franzoni
Fresenius
Fries
Fürnrohr
Garke
Gay
Grisebach
Groenland
Heer
Hohenacker

Koernicke
Kotschy
Lenormand
Leonhardi
Lindley
Metteniey
Muhlenpfordt Nees ab Esenbeck
Notaris
Parlatore
Rhoebus
Roeppig
Regel
Reichenbach
Saunder
Schede
Schlechtendal
Schultes
Schultz Bip
Schultz Arch.
Seemann
Sturm
Thompson
Tommasini
Zeyher

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Carey
Coues
Cornell
Curtis
Durand
Euler
Gregg
Hayden
Hilgard & Th
Horn
Lapham
Le Conte
Mead
Parry
Ravenel
Schott & Short
Smith E
Sullivant
Torrey
Wright

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